

**COMPANY IDENTITY:** PACKAGING SERVICE CO., INC.  
**PRODUCT IDENTITY:** CROWN BOILED LINSEED OIL  
**REVISION DATE:** 09/17/07

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## MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1. THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD) IMPORTANT: Read this MSDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**PRODUCT IDENTITY:** CROWN BOILED LINSEED OIL  
**COMPANY IDENTITY:** PACKAGING SERVICE CO., INC.  
**COMPANY ADDRESS:** 1904 MYKAWA ROAD  
**COMPANY CITY:** PEARLAND, TX 77581  
**COMPANY PHONE:** 1-281-485-1458  
**CHEMTREC PHONE:** 1-800-424-9300

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### CONTAINS:

100% LINSEED OIL (68553-15-1),  
Number in parentheses is CAS #, number in brackets is European EC #.

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### SECTION 3. HAZARDS IDENTIFICATION

**SAFETY STATEMENTS:** WARNING: SPONTANEOUS COMBUSTION may result from materials such as rags, steel wool, paper and clothing soaked in linseed oil. Place in a sealed water filled metal container to prevent spontaneous combustion.

Prolonged skin contact may cause irritation or dermatitis. Contact with eyes may cause burning or tearing. Inhalation of mist may cause irritation of respiratory tract.

### SECTION 4. FIRST AID MEASURES

**EYE CONTACT:** For eyes, flush with plenty of water for 15 minutes & get medical attention.

**SKIN CONTACT:** In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse. Oil soaked clothes may spontaneously combust.

**INHALATION:** After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration.

**SWALLOWING:** If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down & keep warm. Vomiting may lead to pneumonitis, which may be fatal.

### SECTION 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** NFPA Class B extinguishers (Carbon Dioxide or foam) for Class liquid fires.

**SPECIAL FIRE FIGHTING PROCEDURES:** Water spray may be ineffective on fire but can protect fire fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

**UNUSUAL EXPLOSION AND FIRE PROCEDURES:** Linseed oil will oxidize and can cause SPONTANEOUS COMBUSTION of contaminated rags or other ignitable absorbent material. Immerse in water immediately. Keep container tightly closed. Closed containers may rupture if exposed to extreme heat. Applying to hot surfaces requires special precautions.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**CONTAINMENT TECHNIQUES:** Stop spill at source. Dike area & contain.

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**CLEAN-UP PROCEDURES:** Clean up remainder with non-combustible absorbent materials. Mop up & dispose properly. Linseed oil will oxidize and can cause SPONTANEOUS COMBUSTION of contaminated rags or other ignitable absorbent material. Immerse in water immediately.

### SECTION 7. HANDLING AND STORAGE

**HANDLING:** Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Oil soaked clothes may spontaneously combust.

**STORAGE:** Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

### BLO001 SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

**EXPOSURE CONTROLS:** None necessary.

#### VENTILATION:

LOCAL EXHAUST:	Necessary
MECHANICAL (GENERAL):	Acceptable
SPECIAL:	None
OTHER:	None

**PERSONAL PROTECTIONS:** Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Oil soaked clothes may spontaneously combust.

**WORK & HYGIENIC PRACTICES:** Provide readily accessible eye wash stations & safety showers. Wash at end of each workshift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing. Oil soaked clothes may spontaneously combust.

### SECTION 9. PHYSICAL DATA

APPEARANCE:	Liquid, Water-White
ODOR:	None
BOILING RANGE:	Not Applicable
AUTO IGNITION TEMPERATURE:	Not Applicable
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Applicable
FLASH POINT (TEST METHOD):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Non-Combustible
GRAVITY @ 60 F:	
API:	20.7
SPECIFIC GRAVITY (Water=1):	.930
POUNDS/GALLON:	7.747
VOC'S (>0.44 Lbs/Sq In):	0.0 Vol. % / 0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC'S (TVOC):	0.0 Vol. % / 0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC'S (CVOC):	0.0 Vol. % / 0.0 g/L / 0.000 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	0.0 Wt. % / 0.0 g/L / 0.000 Lbs/Gal
VAPOR PRESSURE (mm of Hg) @ 20 C	0.0
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	0.0
VAPOR DENSITY (air=1):	Not Applicable
WATER ABSORPTION:	Negligible

### SECTION 10. STABILITY & REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Linseed oil will oxidize and can cause SPONTANEOUS COMBUSTION of contaminated rags or other ignitable absorbent material.

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**MATERIALS TO AVOID:** Strong oxidizers such as permanganates, chromates & peroxides.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Oxides from heating.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Linseed Oil	20761-33-4	None Known	None Known	No

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
		None Known	None Known

**ACUTE HAZARDS**

**EYE & SKIN CONTACT:** Primary irritation to skin, defatting, dermatitis. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.

**INHALATION:** Vapor harmful.

**SWALLOWING:** Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

**SUBCHRONIC HAZARDS/CONDITIONS AGGREGATED**

**CONDITIONS AGGREGATED:**

**CONDITIONS AGGREGATED:** None Known.

**CHRONIC HAZARDS**

**CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:** This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

**SECTION 12. ECOLOGICAL INFORMATION**

**MAMMALIAN INFORMATION:** No mammalian information is available on this product.

**AQUATIC ANIMAL INFORMATION:** No aquatic environmental information is available on this product.

**MOBILITY:** Mobility of this material has not been determined.

**DEGRADABILITY:** This product is partially biodegradable.

**ACCUMULATION:** Bioaccumulation of this product has not been determined.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If questions exist, contact the appropriate agencies.

**SECTION 14. TRANSPORT INFORMATION**

DOT SHIPPING NAME: None  
DRUM LABEL: None  
IATA / ICAO: None  
IMO / IMDG: None  
EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

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## **SECTION 15. REGULATORY INFORMATION**

**EPA REGULATION:** SARA SECTION 311/312 HAZARDS: None Known

All components of this product are on the TSCA list. This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

### **SECTION 15. REGULATORY INFORMATION (CONTINUED)**

#### **STATE REGULATIONS:**

**INTERNATIONAL REGULATIONS:** The components of this product are listed on the chemical inventories of the following countries: Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

### **SECTION 16. OTHER INFORMATION**

HEALTH (NFPA): 1      HEALTH (HMIS): 1      FLAMMABILITY: 0      REACTIVITY: 0  
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

**EMPLOYEE TRAINING:** Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

**NOTICE:** The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process. Unless updated, this Material Safety Data Sheet is valid until 9/17/2010.